Claims

1.   A messaging gateway comprising:

5   a network node layer comprising means for interfacing with user mobile devices of a plurality of different communication standards to receive content or service requests from the mobile devices and to route responses to the devices;

        a gateway node layer comprising means for routing the requests and the
10   responses and for modifying them according to device technology and content attributes; and

        an application access node layer comprising means for accessing content servers and application servers.
15
2.   A messaging gateway as claimed in claim 1, wherein the network node layer comprises means for managing the context for a device making a request, and for converting an input into a Web request using input data, device context, and application context.
20
3.   A messaging gateway as claimed in claim 2, wherein the network node layer comprises means for adding user and location context to requests.

4.   A messaging gateway as claimed in claim 2, wherein the network node layer
25   comprises means for translating responses into a device-specific format using response date, device context, and application context.

5.   A messaging gateway as claimed in claim 2, wherein the network node layer comprises means for updating and storing context between device interactions.
30

6.   A messaging gateway as claimed in claim 1, wherein the network node layer comprises a plurality of adapters, each associated with a type of mobile device.

7.   A messaging gateway as claimed in claim 6, wherein the gateway node layer comprises means for controlling access to Web applications according to user subscription, in which responses are split up and routed according to adapter capabilities, content attributes, and user-specified rules.

8.   A messaging gateway as claimed in claim 1, wherein the gateway node layer comprises means for managing a register of adapter capabilities and of currently accessible adapters for each user.

9.   A messaging gateway as claimed in claim 1, wherein the gateway node layer comprises means for translating service values placed by applications, and for routing the translated data to external systems.

10.   A messaging gateway as claimed in claim 1, wherein the application access node layer comprises means for an API to allow alternative interfaces for interactive applications.

11.   A messaging gateway as claimed in claim 1, wherein, the network node layer, the gateway node layer, and the application access node layer comprise means for communicating with each other using an XML-compliant markup language.

12.   A messaging gateway as claimed in claim 11, wherein, in said markup language, content is defined in elements, in which a root element is an abstraction of a mobile device screen.

13.   A messaging gateway as claimed in claim 12, wherein, in said markup language, sound streams and images are defined as elements.

14. A computer program product comprising software code for completing a message gateway as claimed in claim 1 when executing on a digital computer.